## CST8218 Team Project

# SOSTutors

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# Introduction:

Sometimes Students need help in their pursuit of knowledge. Sometimes the help provided by their school is not enough. One way of getting extra help is to hire a private Tutor. A Tutor is someone who is knowledgeable who can help Students understand the more difficult ideas around a particular subject. Sometimes Students will also have better learning experience in a one to one settings or in a smaller, more intimate group.

*SOSTutors* is a web based service designed to bring Tutors and Students together. One of the primary goals of this service is to make it easy for Students to get help on subjects that they are having difficulties with. And Tutors can connect with Students more efficiently.

To use the service users will first need to create accounts.

There will be two defined user types:

· Student

· Tutor

Each type will have different sets of features, such as:

## Student

· Registered Students will be able to search for Tutors based on their preferences, such as filter by subjects. They can also list all available Tutors.

· The list will be sortable by rating, hourly, etc.

· Students will be able to see comments and reviews about the teacher by other Students.

· Student will be able to book a session based on the Tutors’ availability using a visual calendar.

## Tutor

· Registered Tutors will be able to set their hourly wage.

· Tutors can also set different rates for individual and group sessions.

· Tutors will be required to define their area of expertise, one or many.

· Tutors can accept booking requests from Students.

· The list of Students will be sortable by name, location, etc.

## System

· System will notify the Student and/or Tutor of any important information such as cancelation, etc.

· System will have settings such as the period of time when a student is allowed to cancel a session after making a booking.

· System will support French and English.

# Architecture

## Data Aspect

The data will be stored in a MySQL database. The database structure will initially contain four tables. Such as:

1. Tutor: Name, Location, Wages, Subjects, Availability, Comments, Ratings, etc.

2. Student: Name, Location, etc.

3. System: Notifications, Cancelation period, etc.

4. User site Settings: Language, etc.

## Function Aspect

Administration such as user deletion, password changes are mainly done directly to the MySQL database. There Admin account combines Student or Tutor features, with yet to be determined extra ones.

## LOOK AND FEEL

The web site will use CSS to change its look and feel, such as flat buttons, flat table borders, etc.

## Network aspect

The website will be hosted locally for stability during development time.

## TIMING aspect

The user accounts are immediately activated after a successful registration.

## Motivation Aspect

· User and Admin passwords will be encrypted.

· Users will be able to decide which parts of their information should be private.

# Project plan

## 0.1

· Designing the website look and feel with CSS (Muz, Harry, and Safi).

· Initial database modeling (Jordan, Aboubacar).

· Creation of non-interactive pages using HTML (Muz, Harry and Safi).

## 0.2

· Fixes for any bugs that came up during initial conception. (Everybody)

· Create and implement database to store site data (Jordan, Aboubacar).

· Begin to design the calendar aspect of scheduling (Safi and Muz).

· Start adding dynamic pages such as the registration and login pages (Harry).

· Begin implementation of the booking system (Jordan, Aboubacar).

## 0.3

· Bug fixes for registration and login pages (Harry).

· Bug fixes for database (Jordan, Aboubacar).

· Finish the implementation of the Calendar (Safi and Muz).

· Finish the implementation of the Booking system (Jordan, Aboubacar).

· Implement the email notification system (Harry).

## 1.0

· Bug fixes for Calendar (Muz and Safi).

· Bug fixes for the email notification system (Harry).

· Bug fixes for Dynamic pages (Jordan, Aboubacar).